



LAGUNA AAAWATER CORPORATION
OPERATIONS DEPARTMENT
LABORATORY SERVICES
CHEMICAL ANALYSIS OF SAMPLES FROM SOURCE AND CONSUMER'S TAPS - PROVINCE OF LAGUNA

CITY/MUNICIPALITY: PAGSANJAN	MONTH: NOVEMBER	YEAR: 2019
ACCREDITATION NO.: 04A-001-1820-LW-2	VALIDITY: December 31, 2020	DOCUMENT NO.: TR-19-3432

NO	SAMPLE LOCATION			DATE COLLECTED	SAMPLE CODE	PHYSICAL/ CHEMICAL PARAMETERS																					
	ADDRESS	TYPE				*pH ¹	*Residual Chlorine ² (mg/L)	Color apparent ³ (ACU)	Turbidity ⁴ (NTU)	Odor ⁵	Taste ⁶	TDS ⁷ (mg/L)	Total Hardness ⁸ (mg/L)	Fluoride ⁹ (mg/L)	Chloride ⁹ (mg/L)	Nitrate ⁹ (mg/L)	Sulfate ⁹ (mg/L)	Chromium ¹⁰ (mg/L)	Manganese ¹⁰ (mg/L)	Iron ¹⁰ (mg/L)	Copper ¹⁰ (mg/L)	Zinc ¹⁰ (mg/L)	Arsenic ¹⁰ (mg/L)	Cadmium ¹⁰ (mg/L)	Lead ¹⁰ (mg/L)		
Brgy. Sampaloc																											
1	Sampaloc Elementary School	D		6-Nov	S19-6514	7.82/ 29.1	0.30	10	2.50	UO	UO	237	79	0.339	18.7	< 1.14	3.23	0.00527	0.00139	0.0537	< 0.0000494	0.000633	0.00288	0.0000817	< 0.0000324		
Brgy. Sabang																											
2	Water Pump, Purok 6, Marescoville II	S		20-Nov	S19-6918	7.69/ 28.5	1.24	8	0.35	UO	UO	460	294	0.378	87.1	< 1.14	7.38	0.00531	0.00127	0.0541	< 0.0000494	0.000632	0.00288	0.0000819	< 0.0000324		
3	Reservoir, Purok 6, Marsecoville II	D		20-Nov	S19-6919	7.75/ 29.1	1.47	8	0.55	UO	UO	447	297	0.381	85.90	< 1.14	< 0.669	0.00528	0.00121	0.0538	< 0.0000494	0.000630	0.00287	0.0000816	< 0.0000324		
TOTAL SAMPLES ANALYZED		3	PNSDW LIMIT (MAL)			6.5 – 8.5	0.30 – 1.50	10	5	UO	UO	600	300	1.50	250	50	250	0.05	0.4	1.0	1.0	5.0	0.01	0.003	0.01		

REMARKS: Samples analyzed as submitted

LEGEND: S - Source, D - Distribution, MAL - Maximum Allowable Limit, NT - Not Tested, NTU - Nephelometric Turbidity Unit, UO - Unobjectionable, NPT - Not Fit to Taste, ACU - Apparent Color Unit, nsl - no set limit, *tested on-site, < - less than detection limit

METHODS USED: ¹4500-H₊ Electrometric, ²4500-Cl-G,DPD Colorimetric, ³2120B. Visual Comparison (Pt-Co), ⁴2130. Nephelometric, ⁵2150. Sensory, ⁶2160. Sensory, ⁷2540C. Total Dissolved Solids (TDS) dried @ 180°C, ⁸2340C. EDTA Titrimetric, ⁹4110B. Ion Chromatography, ¹⁰SAMPLE PREPARATION: 9030K. Microwave-Assisted Nitric Acid Digestion ANALYSIS: 3125. Metals by Inductively-Coupled Plasma – Mass Spectrometer (ICP-MS)

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